

8

7

6

5

4

3

2

1

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

ALL RIGHTS RESERVED.

LOCAD

DIST00

P	LTR	DESCRIPTION	DATE	DWN	APVD
A3	REVISED	PER ECO-11-004587	11MAR11	RK	HMR

TERMINAL IDENTIFICATION FOR DR SERIES ONLY
(VIEWED FROM BOTTOM OF SWITCH)

0810
0C00
0240

0810
0C00
0240

ACTUATOR
LOCATION

10-POSITION, BCDSEE NOTE 2

POS	0	1	2	3	4	5	6	7	8	9
C	X	X	X	X	X	X	X	X	X	X
1		X		X		X		X		X
2			X	X			X	X		
4					X	X	X	X		
8									X	X

16-POSITION, HEXADECIMALSEE NOTE 3

POS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1		X		X		X		X		X		X		X		X
2			X	X			X	X			X	X			X	X
4					X	X	X	X				X	X	X	X	X
8									X	X	X	X	X	X	X	X

10 POSITION,
BCD COMPLEMENTSEE NOTE 4

POS	0	1	2	3	4	5	6	7	8	9
C	X	X	X	X	X	X	X	X	X	X
1	X		X		X		X		X	
2	X	X			X	X			X	X
4	X	X	X	X					X	X
8	X	X	X	X	X	X	X	X		

16-POSITION,
HEXADECIMAL COMPLEMENTSEE NOTE 5

POS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1	X		X		X		X		X		X		X		X	
2	X	X			X	X			X	X		X	X			
4	X	X	X	X					X	X	X	X				
8	X	X	X	X	X	X	X	X								

HOW TO ORDER

D

R

I

SERIES
ROTARY DIPS (BLACK CASE)

ACTUATOR STYLE
M= MINI PLASTIC SHAFT
W= WHEEL
S= METAL SHAFT

CIRCUIT TYPES
10= BC DECIMAL
10C= BCD COMPLEMENT
16= HEXADECIMAL
16C= HEXADECIMAL COMPLEMENT

SPECIFICATIONS:

MATERIAL:

FRAME & CASE: PPS UL94V-0, BLACK
ROTOR,PPS UL94V-0, COLOR SEE P/N TABLE
FIXED CONTACT TERMINAL: COPPER ALLOY,GOLD FLASH OVER NICKEL PLATE
MOVING CONTACT:COPPER ALLOY,GOLD FLASH OVER NICKEL PLATE
BALL SUPPORT PLATE: COPPER ALLOY
BALL: STAINLESS STEEL
DETENT SPRING: STAINLESS STEEL.
BUSHING (DRS): ZINC DIE CAST.
SHAFT (DRS): COPPER ALLOY-NICKEL PLATE

ELECTRICAL:

CONTACT RATING: 0.4 VA @ 20V DC OR PEAK AC
INITIAL CONTACT RESISTANCE: 50 MILLIOHMS MAX.
INSULATION RESISTANCE: 1,000 MEGOHMS @ 100V DC.
DIELECTRIC STRENGTH: 300V AC
LIFE EXPECTANCY: 10,000 ROTATIONS

MECHANICAL:

OPERATING FORCE: 13.88 OZF.IN. MAX

ENVIRONMENTAL:

OPERATING TEMPERATURE: -30 TO +85 DEGREES C
STORAGE TEMPERATURE: -45 TO +100 DEGREES C
RESISTANCE TO SOLDER HEAT-PER 109-202, COND B (THRU-HOLE)
SOLDERABILITY- PER JIS C 0050 & JIS C 0053

NOTES:

1. COMMON TERMINALS ARE CONNECTED INTERNALLY.

2. RED ROTOR WITH WHITE PRINTING ON TOP AND SIDE OF SWITCH. "S" STYLES HAVE NOT PRINTING ON TOP.

3. BLACK ROTOR WITH WHITE PRINTING ON TOP AND SIDE OF SWITCH. "S" STYLES HAVE NO PRINTING ON TOP.

4. ORANGE ROTOR WITH WHITE PRINTING ON TOP AND SIDE OF SWITCH EXCEPT FOR THE "W" STYLES, WHICH HAVE BLACK PRINTING ON TOP. "S" STYLES HAVE NO PRINTING ON TOP.

5. WHITE ROTOR WITH WHITE PRINTING ON TOP AND SIDE OF SWITCH EXCEPT FOR THE "W" STYLES, WHICH HAVE BLACK PRINTING ON TOP. "S" STYLE HAVE NO PRINTING ON TOP.

6. ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)

7. LOCATE 'ALCO' TRADE NAME AND LOT NUMBER MARKING. LOT NUMBER TO BE MARKED AS FOLLOW:

4F

1ST DIGIT2ND DIGIT

YEAR 1194MONTH 6

MARK WITH PERMANENT WHITE INK.

SEE SHEET 2 FOR DIMENSIONAL SPEC'S

N/A	BLACK	DRS16C	5-1825033-6
N/A	BLACK	DRS16	5-1825033-1
N/A	BLACK	DRS10C	4-1825033-6
N/A	BLACK	DRS10	4-1825033-1
WHITE	BLACK	DRW16C	3-1825033-6
BLACK	BLACK	DRW16	3-1825033-1
ORANGE	BLACK	DRW10C	2-1825033-6
RED	BLACK	DRW10	2-1825033-1
WHITE	BLACK	DRM16C	1-1825033-6
BLACK	BLACK	DRM16	1-1825033-1
ORANGE	BLACK	DRM10C	1825033-6
RED	BLACK	DRM10	1825033-1
ROTOR COLOR	CASE COLOR	ALCO P/N	PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC± -

1 PLC± -

2 PLC± -

3 PLC± .010

4 PLC± - ± 1°

MATERIAL-

FINISH-

DWNBSV

CHKMSS

APVDMSS

20JUN05-

NAME-

PRODUCT SPEC-

APPLICATION SPEC-

WEIGHT-

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A100779

1825033

CUSTOMER DRAWING

SCALE1:1

SHEET1 OF 2

REV A3

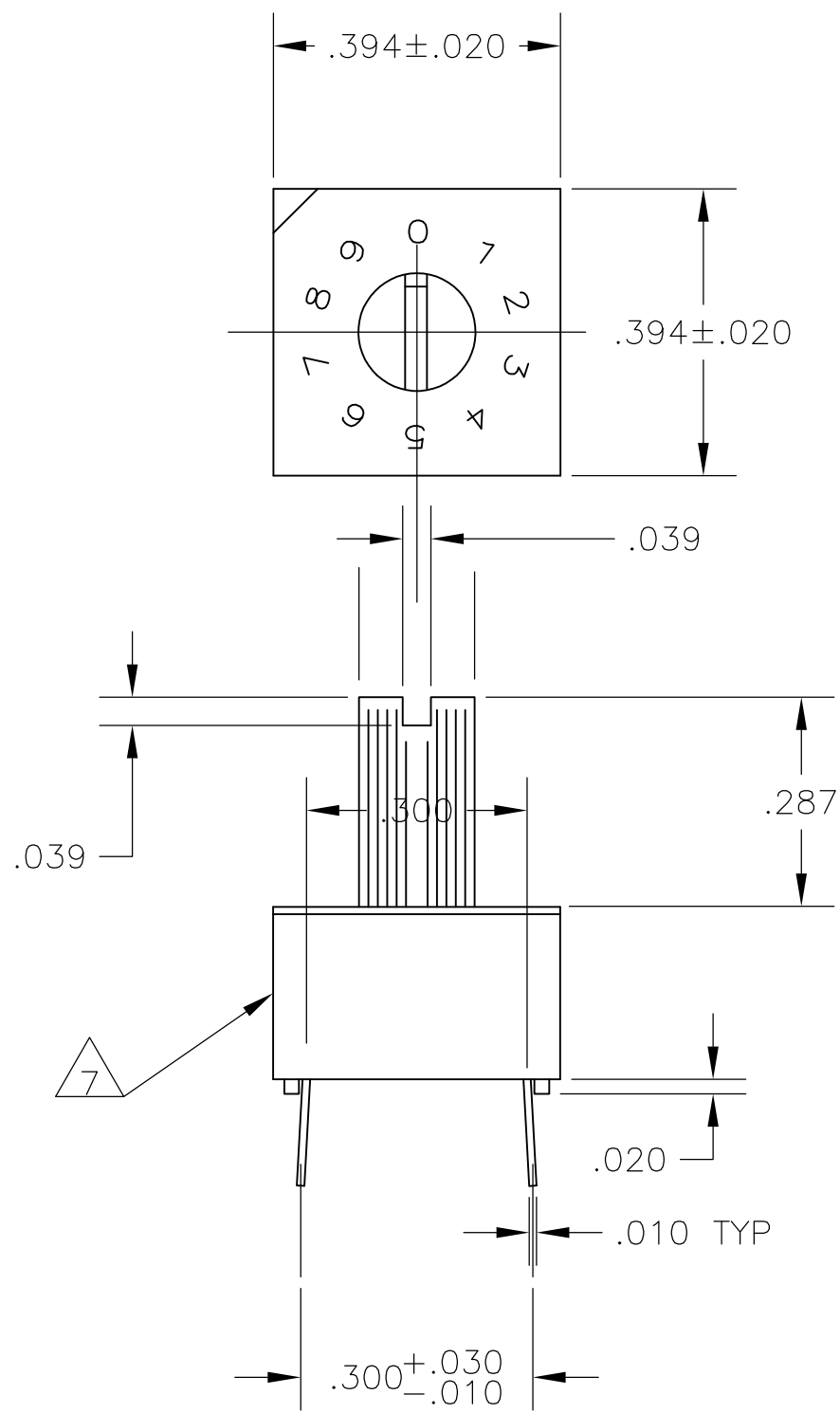
TE Connectivity

ROTARY
DIP SWITCH

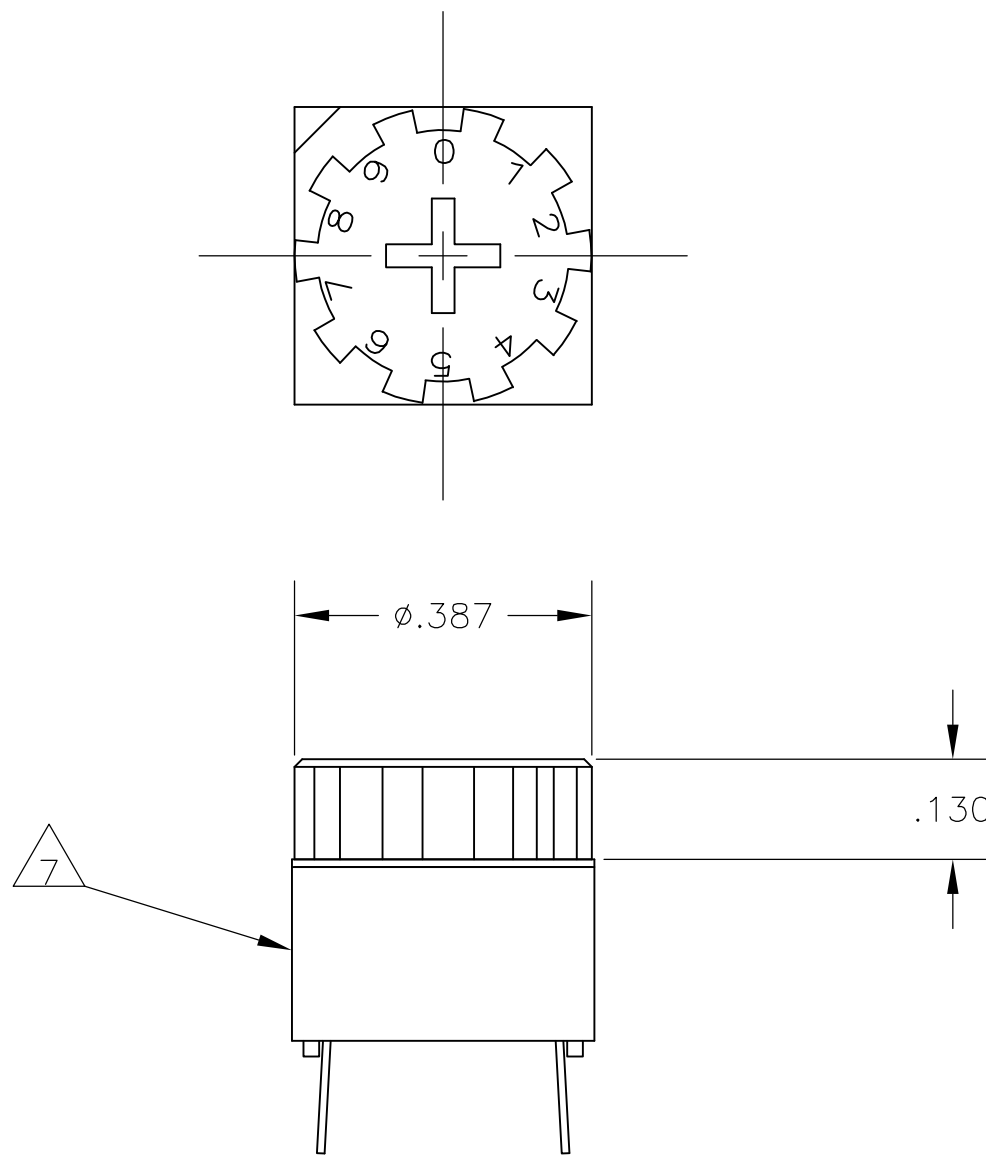
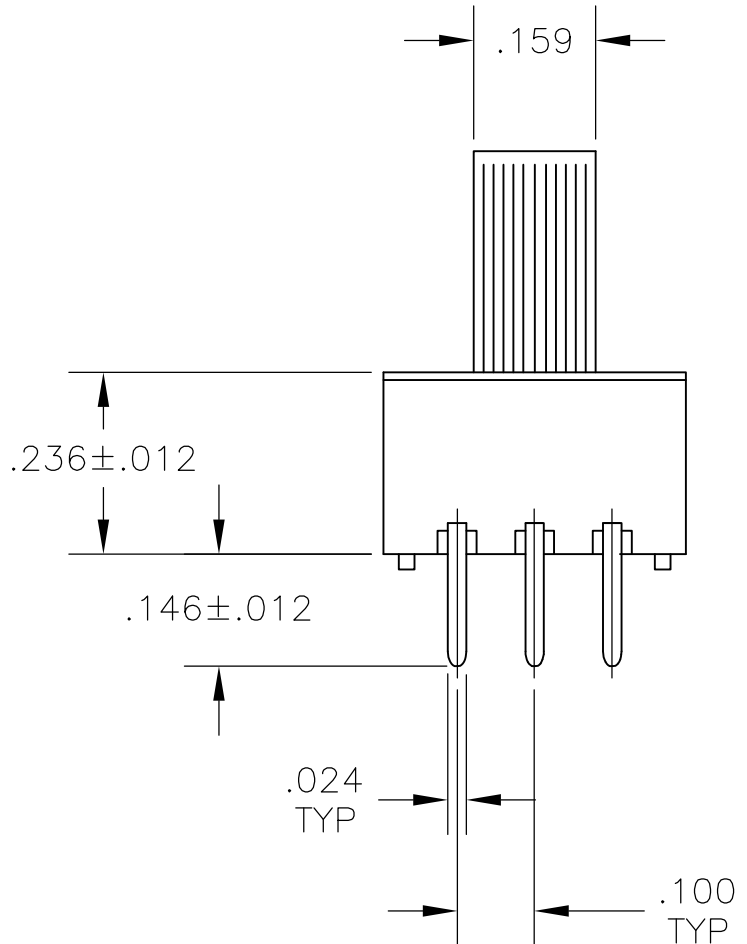
1825033

4805 (3/11)

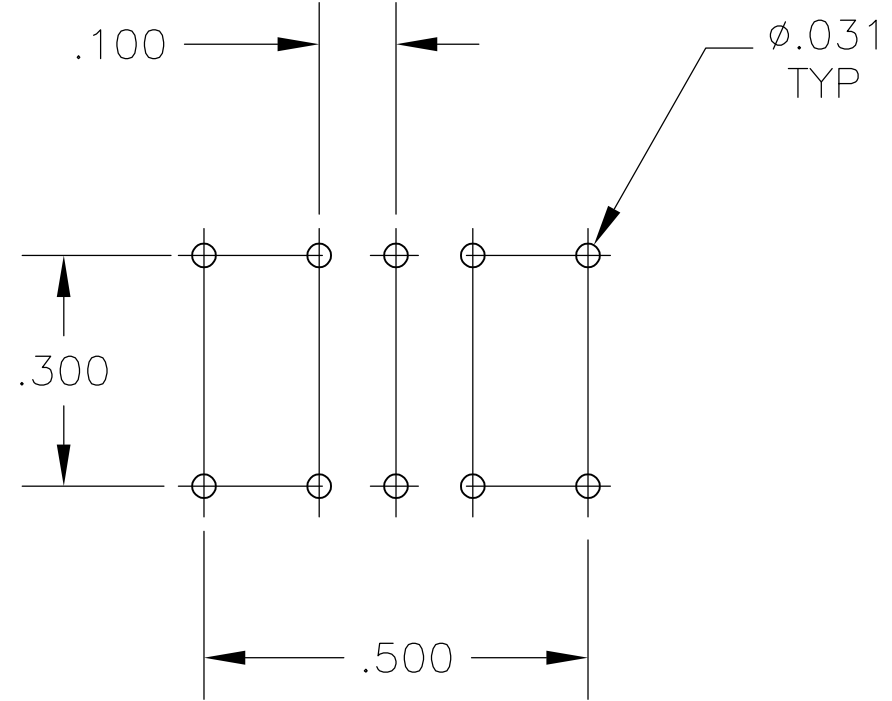
LOC	DIST	REVISIONS				
		REV	DATE	BY	APPD	
AD	00	—	—	—	—	—
		—	—	—	—	—



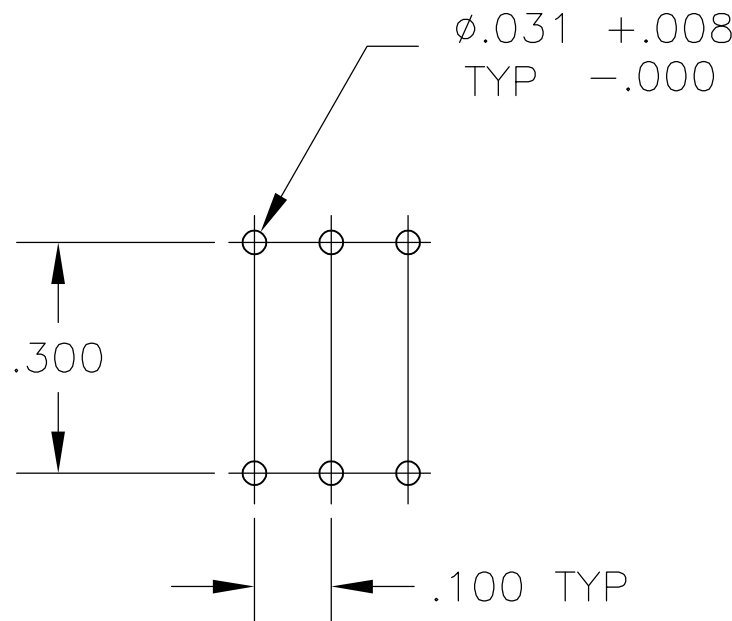
DRM
PC MOUNT



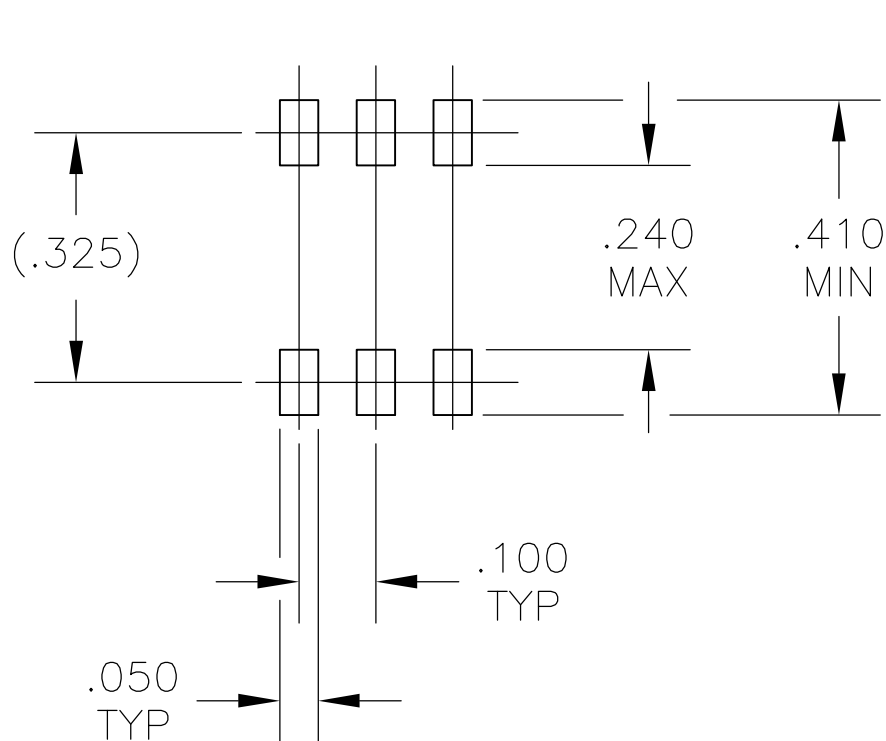
DRW
PC MOUNT



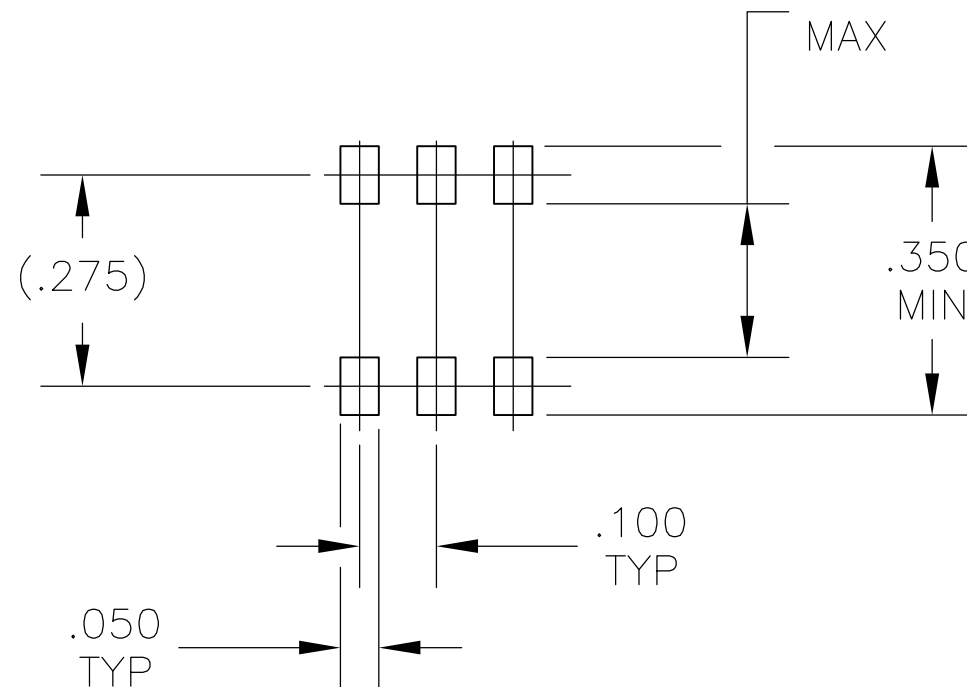
'S' STYLE VERTICAL



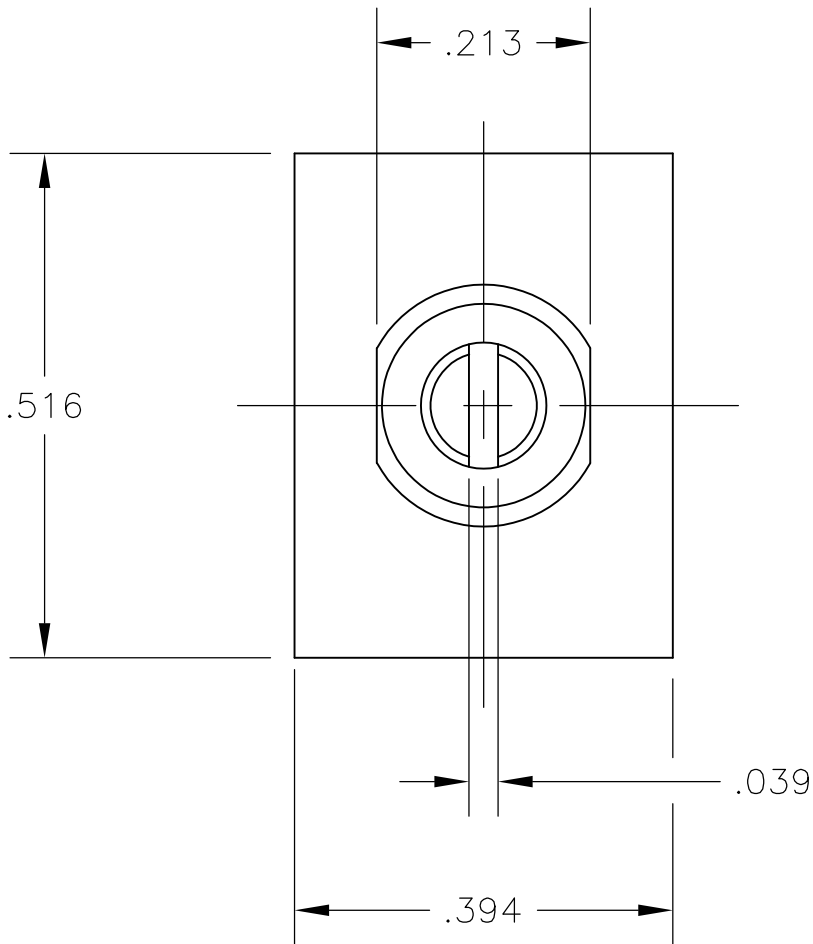
PC



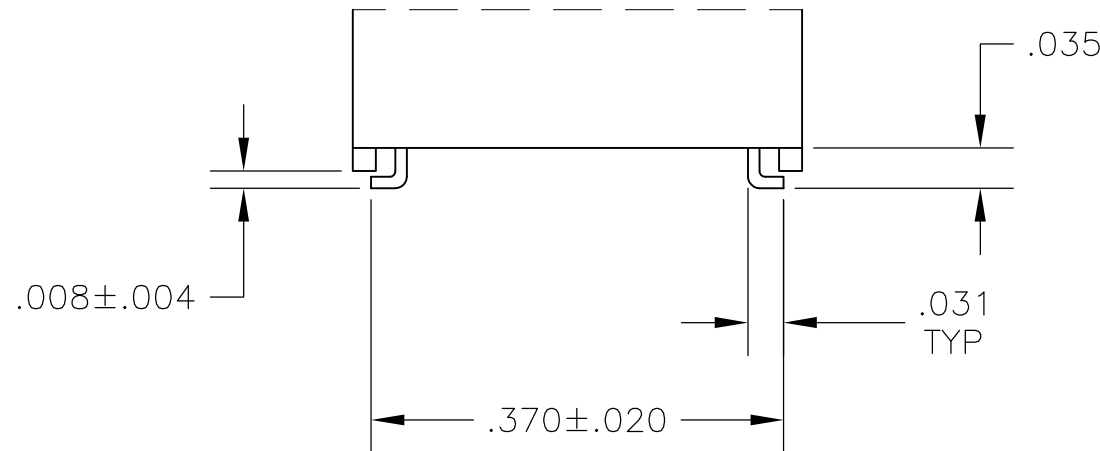
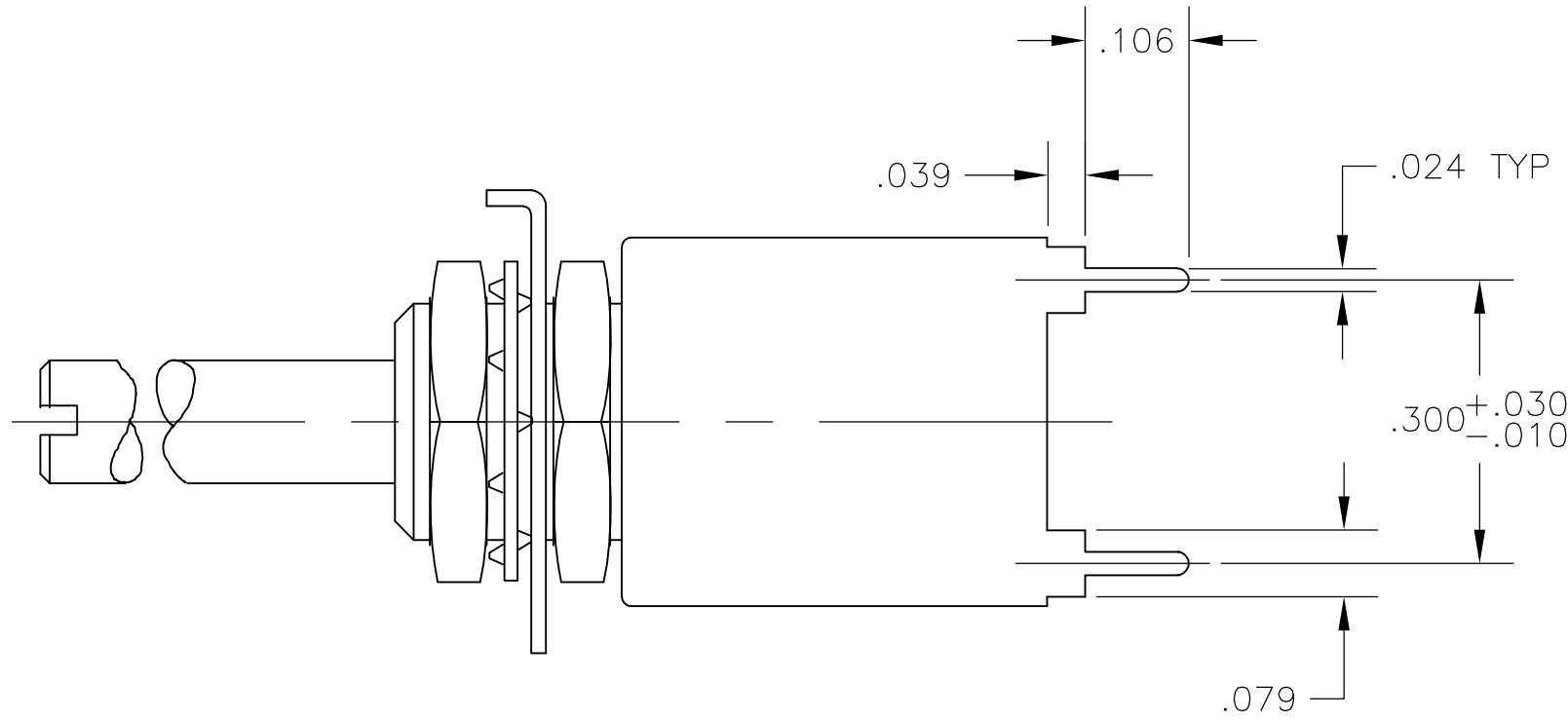
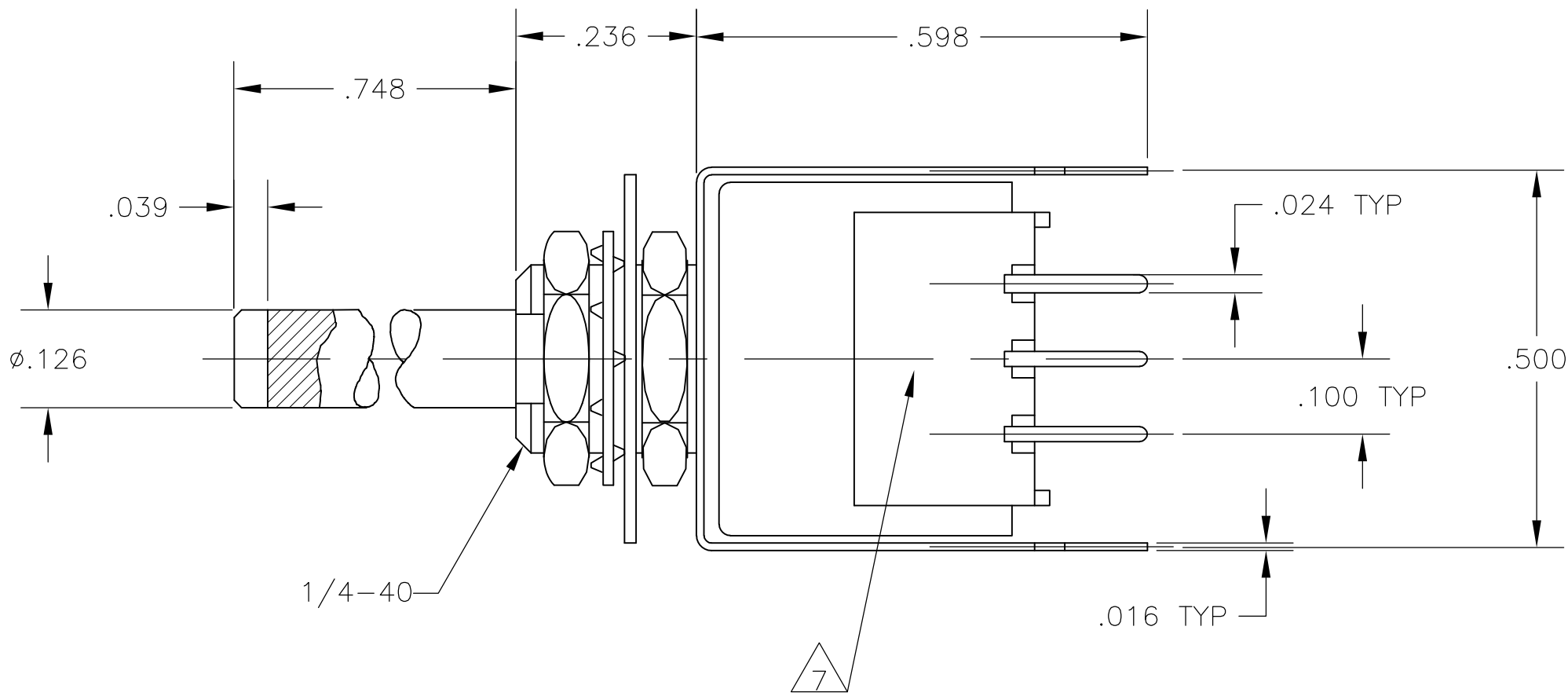
OUTSIDE "L"



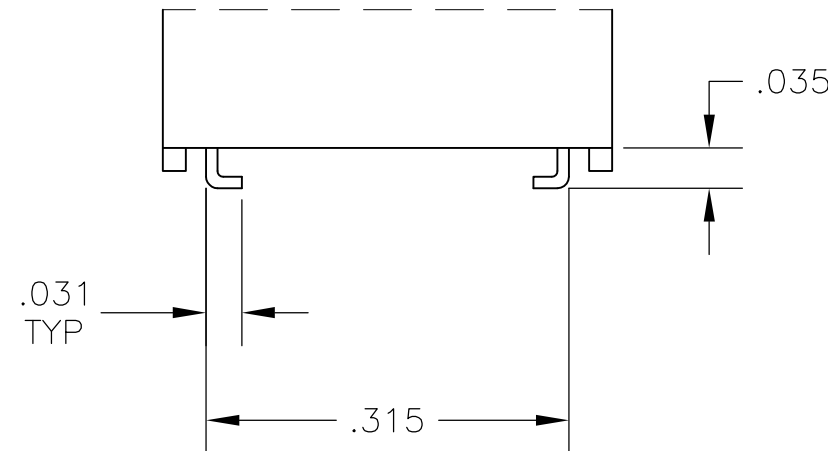
INSIDE "L"



DRS
"S" STYLE VERTICAL



"S" OUTSIDE L TERMINAL
VERTICAL



"SA" INSIDE L TERMINAL
VERTICAL

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN BSV	20JUN05	TE Connectivity	
DIMENSIONS: INCHES		CHK MSS	—		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD —	—	NAME	
0. PLC ± .010		PRODUCT SPEC	—	ROTARY DIP SWITCH	
1. PLC ± .010		APPLICATION SPEC	—	—	
2. PLC ± .010		—	—	SIZE	
3. PLC ± .010		—	—	CAGE CODE	
4. PLC ± .010		—	—	DRAWING NO	
ANGLES ± 1°		—	—	RESTRICTED TO	
MATERIAL		—	—	A1 00779	
FINISH		—	—	C=1825033	
—		—	—	CUSTOMER DRAWING	
—		—	—	SCALE 4:1	
—		—	—	SHEET 2 OF 2	
—		—	—	REV A3	